USER MANUAL

Version 2.0 - June 2015

Epsio.Zoom

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What's New?

In the Epsio Zoom User manual, the icon NEW ! has been added on the left margin to highlight information on new and updated features.

The changes linked to the new features in versions 1.2 and 2.0 are listed below:

Zoom on Cue Point

- See section "Key Commands on the Remote Panel" on page 11

Reviewed GUI

- See section "Overview" on page 3
- See section "Zoom Selection Area" on page 7
- See section "Operational Settings" on page 14

Zoom Out Button

- See section "Zoom Out Button" on page 8

Changes in Zoom Sequence Creation

See section "Creating a Zoom Sequence" on page 18

Zoom Sequence Playout in Preview Mode

See section "Playing a Zoom Sequence in Preview Mode" on page 23

1. Introduction

1.1. Product Overview

Description

Epsio Zoom for 4K zooming allows operators to scale to HD, in real time, any 16:9 region within a 4K frame.

The operators identify the 4K content, either via a touchscreen or a mouse, and select a specific part of the high-resolution image for zooming. They use the resulting zoom sequence for the HD live diffusion as a regular instant replay.

NEW ! Functional Workflow

In Epsio Zoom, you can define up to ten zoom positions and depths on region(s) on the 4K video image (record train or clip) and store the zoom positions into virtual camera registers. Epsio Zoom can associate cue points in Multicam corresponding to the virtual cameras and zoom positions activation.

The zoom sequence can be played out in real time in HD while the virtual camera registers defined in Epsio Zoom are automatically recalled on the cue points defined.

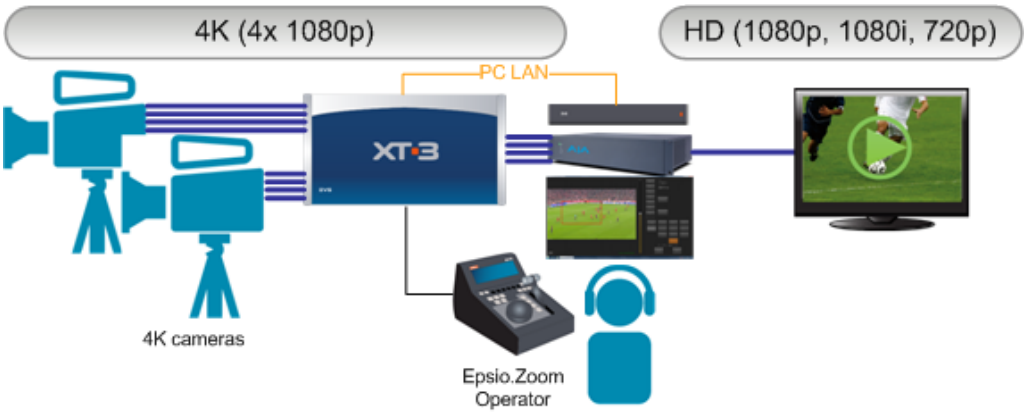
On the LSM Remote Panel, you can take control over the Epsio Zoom by activating the Epsio Zoom mode. In this mode, you can play back the video sequence and apply manually the first three zoom effects, by calling back the corresponding virtual cameras.

1.2. Setup Overview

The following drawing presents a typical setup with Epsio Zoom:

- The 4K cameras are connected to the XT3 server configured in a 4K format.
- The content is sent from the XT3 server to the AJA Corvid Ultra in a 4K format.
- The AJA Corvid Ultra outputs an HD signal.
- The AJA Corvid Ultra is connected to the Epsio PC via a dedicated PCIe link.

  Refer to the Technical Hardware manual for more information about the PCIe link.
- The Epsio Zoom application, installed on the Epsio PC, communicates with the PC LAN port of Multicam. This means that they both must be connected to the same network subset.



2. User Interface

2.1. Epsio Zoom Application

2.1.1. Overview

Accessing Epsio Zoom

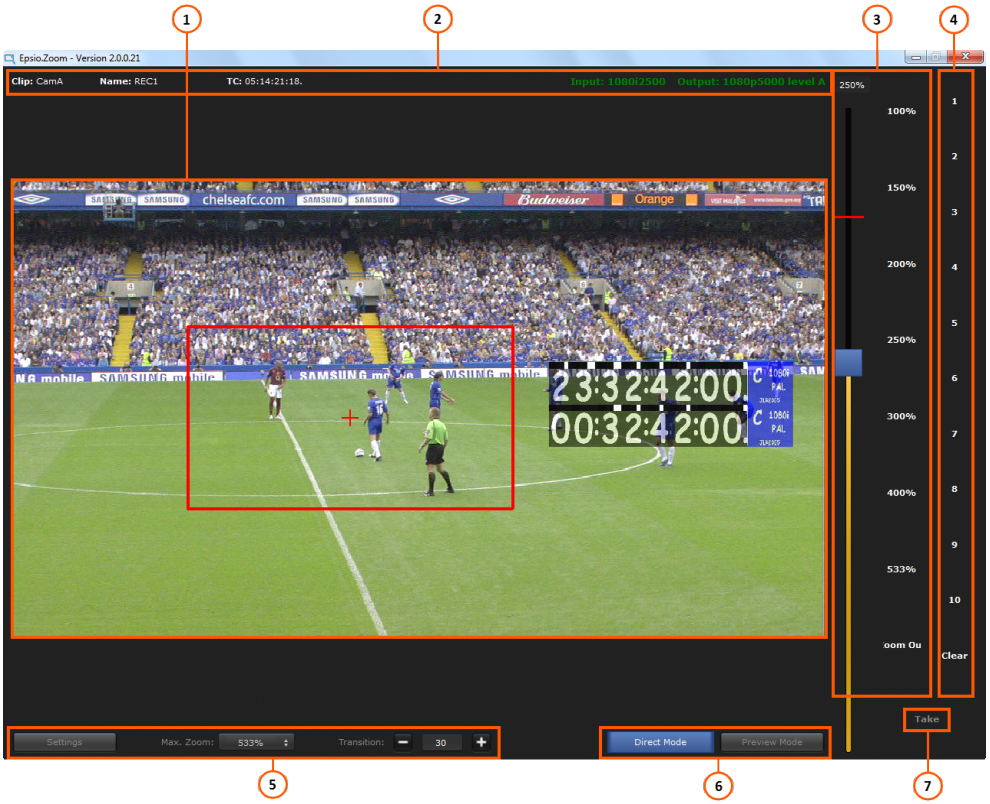
To open the Epsio Zoom application, do one of the following:

- Click or tap the Epsio Zoom logo on the desktop.
- Select **All Programs > EVS Broadcast Equipment > EpsioZoom** from the **Start** menu.

NEW !

Introduction

The Epsio Zoom main window contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the Epsio Zoom main window:

Area	Name	Description
1.	Preview area	It displays: • the selected video input; • the current zoom area (red rectangle); • the next zoom area (green rectangle) in Preview mode. See section "Preview Area" on page 5.
NEW ! 2.	OSD information	It displays: • clip (LSM ID); • clip name; • timecode; • warning and error messages; • input and output configurations.
3.	Zoom selection	It allows you to: • define a precise zoom with the vertical zoom ruler; • select a predefined zoom using zoom buttons. See section "Zoom Selection Area" on page 7.
4.	Virtual cameras	They allow you to register a zoom position and depth as a virtual camera. You can recall the first three virtual cameras from the Remote Panel. See section "Virtual Cameras Area" on page 9.
NEW ! 5.	Settings toolbar	It gives access to: • the operational settings and technical settings via the **Settings** button. ◦ The operational settings are described in section "Operational Settings" on page 14 ◦ The technical settings are described in the Installation manual. • some operational settings directly on the main window.
6.	Mode buttons	• Allows you to select the mode of operation: **Direct** or **Preview**. • Displays the current mode.
7.	Take button	• Allows you to call the next virtual camera in preview mode. See section "Playing a Zoom Sequence in Preview Mode" on page 23

2.1.2. Preview Area

Introduction

The Preview area plays different roles:

- When preparing the zoom sequence, you can view the video input and set the zoom area.
- When playing back the zoom sequence in Preview mode, you can view the current and the next registered virtual cameras.

See section "Creating a Zoom Sequence" on page 18 for more information on how to set a zoom area.

Virtual Camera Representation

Direct Mode

- To prepare a zoom sequence, click the **Direct Mode** button.
- In Direct mode, the zoom area is represented by a red rectangle on the preview area.

Preview Mode

- To replay a zoom sequence in Preview Mode, click the **Preview Mode** button.
- In Preview Mode, the current virtual camera is represented by a red rectangle, and the next virtual camera is represented by a green rectangle.

Touch Screen Gestures

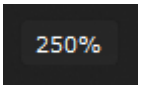
When you use Epsio Zoom with a touch screen, use the following gestures:

Action	Gesture
zoom in (out*)	spread
zoom out (in*)	pinch
point the center of the zoom area	tap
move the zoom area	drag

* These actions are reversed if the **Zoom Reverse** parameter is activated (See section "Operational Settings" on page 14).

2.1.3. Zoom Selection Area

Zoom Level



The current zoom level is displayed in percent in the **Zoom Level** field, over the ruler (whether it is set using the ruler, the buttons, the gesture, or the mouse wheel).
The following values are examples of zoom levels with a 4K video input:

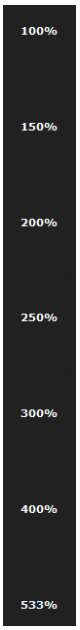
- 100% corresponds to the full 4K image.
- 200% corresponds to a 1080p/1080i portion of the image.
- 300% corresponds to a 720p portion of the image.

Zoom Ruler

With the **Zoom Ruler**, you can define, with a one-percent precision level, the zoom depth of the zoom area shown on the preview area:

- You can slide the cursor up to increase the zoom level or down to decrease the zoom level.
- The zoom level is displayed in percent in the **Zoom Level** field, over the ruler.
- The red bar on the ruler represents the maximum zoom depth you can define, if configured.

Zoom Buttons

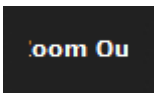


You can click on one of the **Zoom Buttons** to apply a predefined zoom depth to the zoom area (red rectangle) shown on the preview area.

- The zoom values exceeding the maximum zoom depth are displayed but not selectable.
- Refer to the **Settings** (See section "Operational Settings" on page 14) to:
  - set the different zoom values;
  - if a transition is applied when using these buttons.

NEW !

Zoom Out Button



The **Zoom Out** button, at the bottom of the list of Zoom buttons, returns the display to 100% (no zoom).
Depending on the operational settings **Zoom Transition** and **Transition From/To 100%**, the Zoom out will be performed as a cut, or with a transition of a predefined duration.

2.1.4. Virtual Cameras Area

Virtual Cameras Buttons

You can use the virtual camera buttons (**1** to **10**) to assign the current zoom area and depth to a virtual camera register.

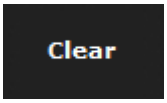
To assign a virtual camera register:
- click or tap the requested register button.

When a virtual camera register is assigned, the register button turns blue.

To unassign one or more camera register(s):
1. Click or tap **Clear**.
2. Click or tap the requested register button(s).

When virtual camera registers 1 to 3 have been assigned in Epsio Zoom, you will see them and you will be able to recall them from the Remote Panel, using the **Zoom 1** (A), **Zoom 2** (B), and/or **Zoom 3** (C) soft keys.

Clear Button



You can use the **Clear** button, located below the virtual camera buttons, to clear one or more virtual camera registers:
1. Click or tap **Clear**.
2. Click or tap the requested register button(s).

The **Clear** button remains active a few seconds to let you select more than one register.
To deselect the **Clear** button, click it again or wait a few seconds as it will be automatically deselected.

2.2. Epsio Zoom Menu on Remote Panel

2.2.1. Activating and Accessing the Epsio Zoom Menu

Prerequisites

To be able to view and activate the Epsio Zoom mode, your setup need to fulfill the technical requirements specified in the Installation manual.

In addition, you need to configure the Multicam application as explained in the section "Configuring Multicam" in the Installation manual.

Note
When Multicam is configured with more than one PGM, the Epsio Zoom is considered to be connected to the PGM1 of the EVS server.

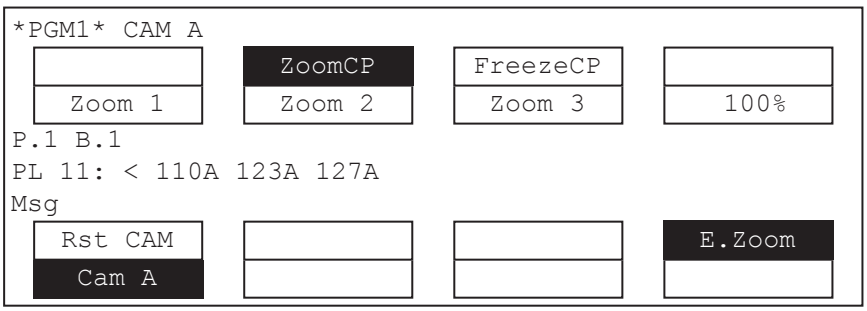
How to Activate the Epsio Zoom Menu

The Epsio Zoom menu is available from the record train or from clips.

To activate the Epsio Zoom menu:

- Press **SHIFT+D** (**E.Zoom**) in your Remote Panel menu.

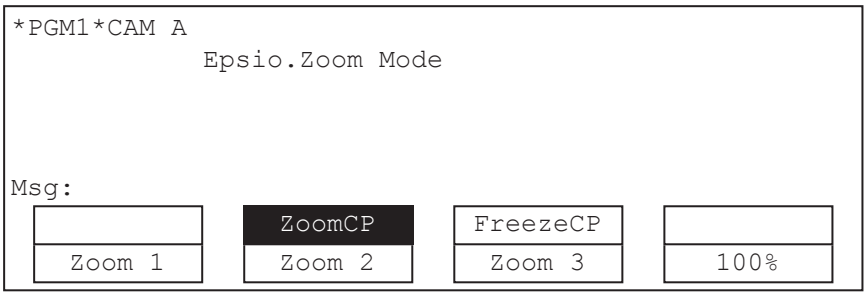
  The **E.Zoom** button highlights black on the LCD:



How to Access and Leave the Epsio Zoom Menu

To enter the Epsio Zoom menu:

- Press the **Menu** key on the Remote Panel when the Epsio Zoom menu is active.



To leave the Epsio Zoom menu:

- Press again the **Menu** key.

2.2.2. Key Commands on the Remote Panel

Introduction

This section presents the various commands you can use on the Remote Panel **when you are in the Epsio Zoom menu**.

Soft Keys in the Epsio Zoom Menu

Zoom 1/2/3 (A/B/C Keys)

The soft keys A, B, and C allow recalling the assigned virtual camera registers.

The **Zoom 1** (A soft key) recalls the camera register 1.

The **Zoom 2** (B soft key) recalls the camera register 2.

The **Zoom 3** (C soft key) recalls the camera register 3.

If a camera register has not been assigned, the corresponding label is not displayed on the LCD and the soft key is not available.

100% (D Key)

The **100%** key (D soft key) zooms out to 100% while applying the transition defined in the **From/To 100%** setting in Epsio Zoom.

NEW !

ZoomCP (SHIFT + B Key)

The **ZoomCP** (SHIFT+B) command triggers automatically the zoom transition when you reach a cue point during playback.

You can enable this parameter only if **Auto mark** is enabled. This parameter is defined in the Multicam Configuration module (Operation page, Special Effects section).

FreezeCP (SHIFT + C Key)

The **FreezeCP** (SHIFT+C) allows you to enable or disable the **Freeze on cue points** parameter of the Multicam Configuration module (Operation tab, Clips section).

When the parameter is enabled, the **FreezeCP** key has a dark background and the play back stops at each cue point.

When the parameter is disabled, the **FreezeCP** key has a clear background and the play back runs without stopping on cue points.

Block Keys Used with Epsio Zoom

PRV CTL

When you are in the Epsio Zoom menu, the **PRV CTL** key toogles between the **Preview Mode** and the **Direct Mode**. The preview mode allows you to visualize the current virtual camera (red rectangle) and the next virtual camera (green rectangle) on the preview area of Epsio Zoom.

NEW !

TAKE

When you are in the Epsio Zoom, in Preview Mode, use the **TAKE** key to recall and apply the next defined virtual camera onto the video (displayed as a green rectangle).

RECORD

The **RECORD** key allows you to return to the train head (E/E), as usual.

When you press **RECORD**, Multicam behaves as follows:

- It exits the Epsio Zoom 2nd menu.
- It clears all virtual cameras in Epsio Zoom.
- It restores 100% zoom level in Epsio Zoom.

SHIFT + RECORD

The **SHIFT + RECORD** key combination allows you to return to the train head (E/E) without clearing the IN and OUT points, as usual.

When you press **SHIFT + RECORD**, Multicam behaves as follows:

- It does not exit the Epsio Zoom 2nd menu.
- It does not clear the virtual cameras in Epsio Zoom.
- It restores 100% zoom level in Epsio Zoom.

MENU

The **MENU** key exits the Epsio Zoom mode.

Function Keys

The **function (F_)** keys work as usual in Multicam to select pages, bank and clips.

See the Multicam LSM operational manual for more information on selecting clips.

NEW !

BROWSE

The **Browse** key allows browsing from one cue point to the other when the **Browse button** setting in Multicam Configuration module (Operation tab, EVS Controller section) has been set to **Browse**.

Goto TC

This function allows you to jump to a given timecode in the loaded train or clip.

Refer to the LSM Operation Manual, to the section "Function of the Operational Block 2 Keys", for more information on the use of the **Goto TC** key.

3. Operation

3.1. Operational Settings

The second tab of the Settings window, relative to the **Technical Settings** is described in the Epsio Zoom Installation Manual.

NEW ! Shortcuts in Epsio Zoom Main Window

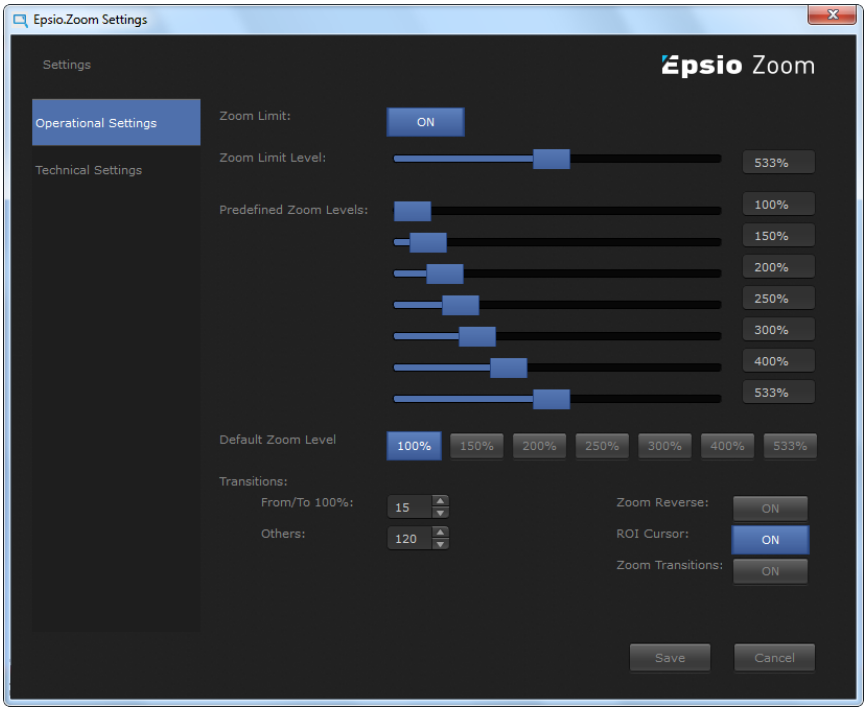
In Epsio Zoom main window, some parameters corresponding to operational settings are also available directly in the Settings toolbar next to the **Settings** button:

- **Max. Zoom**: see **Zoom Limit** and **Zoom Limit Level** below.
- **Transition**: see **Transitions - Others** below.

NEW ! Operational Settings in Epsio Zoom

In Epsio Zoom, define the operational parameters in the **Settings** window as illustrated below.

To open this window, click or tap the **Settings** button located at the bottom left of the Epsio Zoom window.



Zoom Limit

When selected, the **Zoom Limit** check box enables the zoom limit specified in the **Zoom Limit Level** field.

This field is paired with the **Max Zoom** field described in the **Zoom Limit Level** section.

Zoom Limit Level

The **Zoom Limit Level** allows you to define a maximum level for the zoom depth.

This limit is materialized as a small red bar on the **Zoom Ruler** in the Epsio Zoom main window.

- If the current zoom depth is higher than this limit, it is reduced to this level.
- When recalling a virtual camera, the applied zoom depth is limited to this level but the virtual camera setting is not modified.
- The zoom buttons beyond the defined zoom limit are disabled in the Epsio Zoom main window.

In the Epsio Zoom main window, the **Max. Zoom** editable field is paired with the **Zoom Limit** and **Zoom Limit** fields, and allows the same action directly from the Epsio Zoom main window:

  - Selecting **None** disables **Zoom Limit**.
  - Selecting a value enables the **Zoom Limit**, and set this value as zoom limit level.

Predefined Zoom Levels

Move the sliders in the **Predefined Zoom Levels** area to specify the zoom depth for the 7 predefined zoom buttons displayed in the Epsio Zoom main window.

- The maximum zoom depth is 1000%.
- Keep in mind that users are not able to define a zoom depth beyond the **Zoom Limit Level** if the **Zoom Limit** is enabled. Buttons with a zoom higher than the limit are disabled.

NEW ! Default Zoom Level

The Default Zoom Level is the zoom level that is automatically applied when, starting from a 100% zoom level, you click or tap on the Preview area in Epsio Zoom to define a new zoom area. Once the zoom area is defined, you can change its actual zoom level.

NEW ! Transitions - From/To 100%

The **From/To 100%** parameter allows you to define the transition duration (in number of frames) when:

- You zoom in from 100%;
- You zoom out to 100%.

This setting is applied only when the **Zoom Transitions** setting is enabled.

To remove the transition, set the value of this parameter to **2** (which is equivalent to a cut).

NEW !

Transitions - Others

The **Others** parameter allows you to define the transition duration (in number of frames) when:

- You click or tap to create a new zoom area.
- You select another predefined **Predefined Zoom Level** for the current area.

This setting is applied only when the **Zoom Transitions** setting is enabled.

This setting is not applied when you change the zoom level using the zoom ruler or the mouse wheel.

This parameter is also available and editable directly in the Epsio Zoom main window as the **Transition** field.

To remove the transition, set the value of this parameter to **2** (which is equivalent to a cut).

Zoom Reverse

Toggle **Zoom Reverse** to define the mouse wheel and screen gesture behavior:

- **OFF**:
  - Scroll up on the mouse wheel to increase the zoom level.
  - Spread fingers on the touch screen to increase the zoom level.
- **ON**:
  - Scroll down on the mouse wheel to increase the zoom level.
  - Pinch fingers on the touch screen to increase the zoom level.

ROI Cursor

Toggle **ROI Cursor** to display or hide the red cross materializing the center of the zoom area in the preview area.

Zoom Transitions

Toggle **Zoom Transitions** to activate or deactivate the transition duration defined with the **Transition** fields.

Operational Settings in Multicam

The following Multicam parameters are used in Epsio Zoom, and are available in the Multicam Configuration module.

Mark Cue Point

This setting is set in the Operation tab, Clip and Special Effects section, of the Multicam Configuration module.

It should be set to **Playback** if you want to be able to use cue points in clips with Epsio Zoom.

Freeze on Cue Point

This setting is set in the Operation tab, Clip and Special Effects section, of the Multicam Configuration module.

It should be set to **Yes** if you want that Multicam freezes when it reaches a cue point.

This setting can also be directly enabled and disabled from the Epsio Zoom menu, via the **SHIFT + C** key.

NEW !

Auto mark

This setting is set in the Operation tab, Clip and Special Effects section, of the Multicam Configuration module.

It should be set to **Yes** if you want that Multicam automatically inserts a cue point in the clip or record train every time you mark a cue point on the Remote Panel.

NEW !

Browse

This setting is set in the Operation tab, EVS Controller section, of the Multicam Configuration module.

It should be set to **Browse** if you want to browse through the cue points defined on the clip or on the record train.

3.2. Creating a Zoom Sequence

Zoom Sequences on Clips and Record Trains

You can create zoom sequences:

- On a clip:
  - The cue points and virtual cameras (zoom areas) are stored with the clip.
- On a record train:
  - The cue points are preserved.
  - The virtual cameras are only preserved in Epsio Zoom when you leave the Epsio Zoom mode to go back to live with **SHIFT + RECORD**.

NEW ! Multicam Parameters

In Multicam (See section "Operational Settings" on page 14), check that the following parameters are properly enabled:

- **Mark cue point**: to activate the cue points in Multicam.
- **Auto mark**: to create automatically a cue point where a zoom area is defined.

How to Create a Zoom Sequence

1. In Espio Zoom, activate the **Direct Mode** that is easier to use to create a zoom sequence.
2. To prepare your sequence, do one of the following actions with the Remote Panel:
   - Come back to the position in the record train where you want to define a zoom sequence.
   - Load the clip on which you want to define a zoom sequence.
3. To define the zoom depth, do one of the following actions, in the preview area of Epsio Zoom:
   - To apply the default zoom level, click or tap where the center of the zoom area should be located.
   - To apply a predefined zoom level, click or tap the requested zoom button.
   - To define the zoom level with more precision, scroll the mouse wheel or pinch/spread the touch screen until you get the desired zoom depth.
4. To (re)position the zoom area, do one of the following actions, in the preview area of Epsio Zoom:
   - With a standard monitor, click where you want to position the center of the zoom area, or drag the zoom area onto the requested position.
   - With a touch screen, tap on the screen where you want to position the center of the zoom area or drag the zoom area onto the requested position.

NEW !

5. To activate and store your zoom area, do one of the following actions:
   - Click or tap a virtual camera position in Epsio Zoom.
   - Press **MARK** on the Remote Panel.

   If **Auto mark** is set, a cue point is automatically inserted in the clip or record train.
6. Repeat steps 3 to 5 to create other zoom areas.

3.3. Playout Modes and Options

Mode and Option Description

You can play a zoom sequence in different ways, depending on how you set the three following options. Each option can be combined independently.

The behavior of each option is summarized below:

Direct Mode	Only the current virtual camera is displayed in Epsio Zoom.
Preview Mode	The zoom of the current virtual camera (red) and next virtual camera (green) are displayed in Epsio Zoom.

Zoom CP Enabled	Automatic playout of the virtual camera at the timecode where it has been defined.
Zoom CP Disabled	No automatic playout. The virtual camera need to be called with: • the A,B,C soft keys on the Remote Panel, or the virtual camera buttons in Epsio Zoom when you work in **Direct** mode. • the TAKE button on the Remote Panel when you work in **Preview** mode.

Freeze CP Enabled	Automatic freeze on the cue points associated to a zoom area
Freeze CP Disabled	No freeze on the cue point associated to a zoom area

Workflows with Various Option Combinations

The following combinations of options are possible both in Direct and Preview mode:

Option Combination	Description
FreezeCP Disabled **ZoomCP** Disabled	• The clip or train is played back without automatic freeze. • You recall manually each virtual camera via the soft key buttons.
FreezeCP Disabled **ZoomCP** Enabled	• The clip or train is played back without automatic freeze. • Each virtual camera is automatically called and played out.

Option Combination	Description
FreezeCP Enabled **ZoomCP** Disabled	• When the clip or train being played back reaches a cue point corresponding to a virtual camera, it freezes. • At this time, you call manually the requested virtual camera with the soft key buttons.
FreezeCP Enabled **ZoomCP** Enabled	• When the clip or train being played back reaches a cue point corresponding to a virtual camera, it freezes. • At this time, the corresponding virtual camera is automatically called and played out.

3.4. Playing a Zoom Sequence in Direct Mode

Introduction

In Direct mode, only the zoom area of the currently applied virtual camera is displayed in Epsio Zoom when you playout the clip or train with the zoom sequence.

You can play out a zoom sequence using the **ZoomCP** and **FreezeCP** options which can be combined together. See section "Playout Modes and Options" on page 19 for a description of various options and their combinations.

This section presents how to play the zoom sequence out in Direct mode with the following options:

- without **ZoomCP** and without **FreezeCP**.
- with **ZoomCP** and without **FreezeCP**.

If you enable the **FreezeCP**, the video would automatically freeze on each cue point corresponding to a virtual camera.

Prerequisites

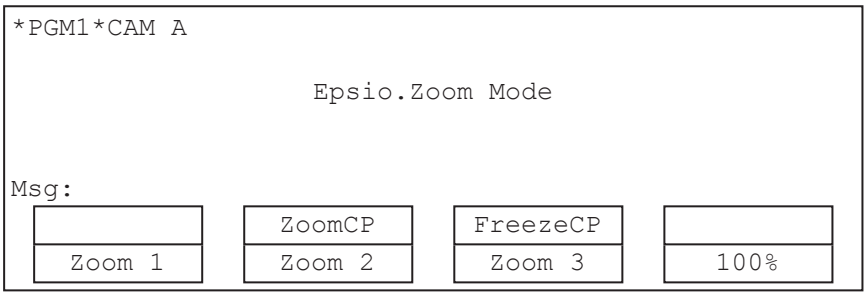
Activate the Direct Mode in Epsio Zoom by clicking the **Direct Mode** button at the bottom on the Epsio Zoom main window.

Playing a Zoom Sequence without Zoom on Cue Point

Without the **Zoom on Cue Point** option, the clip or train is played out without any zoom applied: you need to call the virtual cameras manually.

To play a zoom sequence in Direct mode without ZoomCP and FreezeCP, proceed as follows:

1. Go to the clip or the record train you want to play.
2. Make sure that you are in the Epsio Zoom menu. If not, press the **MENU** key.



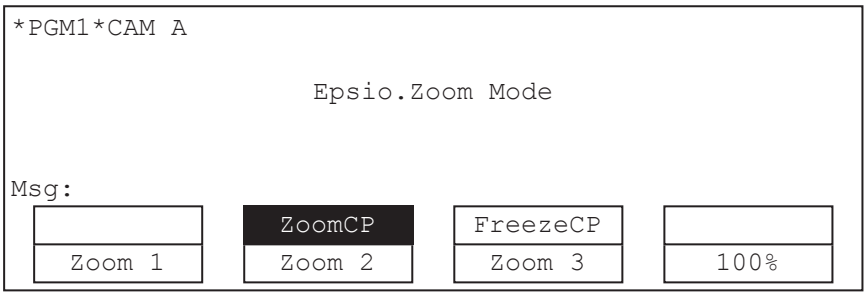
3. If necessary, press **SHIFT+B** to deactivate the Zoom on Cue Point (**ZoomCP**. The option is disabled when displayed on a clear background.
4. If necessary, press **SHIFT+C** to deactivate the Freeze on Cue Point (**FreezeCP**). The option is disabled when displayed on a clear background.
5. Press **PLAY** or move the lever up to start playing the zoom sequence.
6. When you reaches the position where to apply a virtual camera, call it in one of the following ways:
   - On the Remote Panel, in the Epsio Zoom menu, select any of the first 3 defined virtual cameras with keys **A**, **B**, and **C**, or remove any zoom with key **D**.
   - In Epsio Zoom, click or tap any virtual camera to use it immediately without transition.

Playing a Zoom Sequence with Zoom on Cue Point

With the **Zoom on Cue Point** option, the clip or train is played out and the virtual cameras are automatically called back and played.

To play a zoom sequence in Direct mode with ZoomCP and without FreezeCP, proceed as follows:

1. Go to the clip or the record train you want to play.
2. Make sure that you are in the Epsio Zoom menu. If not, press the **MENU** key.



3. If necessary, press **SHIFT+B** to activate the Zoom on Cue Point (**ZoomCP**. The option is enabled when displayed on a black background.
4. If necessary, press **SHIFT+C** to deactivate the Freeze on Cue Point (**FreezeCP**). The option is disabled when displayed on a clear background.
5. Press **PLAY** or move the lever up to start playing the zoom sequence.

The clip or record train is played out, and the virtual cameras are automatically called to play the zoom sequence.

Note
During playout, you can always decide to create a zoom area, store it in a virtual camera and play it out at the requested timecode. See section "Creating a Zoom Sequence" on page 18.
After a manual change, the registered sequence will be applied again at the next cue point.

3.5. Playing a Zoom Sequence in Preview Mode

Introduction

In Preview mode, the current (or last) virtual camera is displayed as a red rectangle and the next virtual camera is displayed as a green rectangle in the Preview area of the Epsio Zoom main window.

You can play out a zoom sequence using the **ZoomCP** and **FreezeCP** options which can be combined together. See section "Playout Modes and Options" on page 19 for a description of various options and their combinations.

This section presents how to play out the zoom sequence in Preview mode with the following options:

- without **ZoomCP** and without **FreezeCP**.
- with **ZoomCP** and without **FreezeCP**.

If you enable the **FreezeCP**, the video would automatically freeze on each cue point corresponding to a virtual camera.

Prerequisites

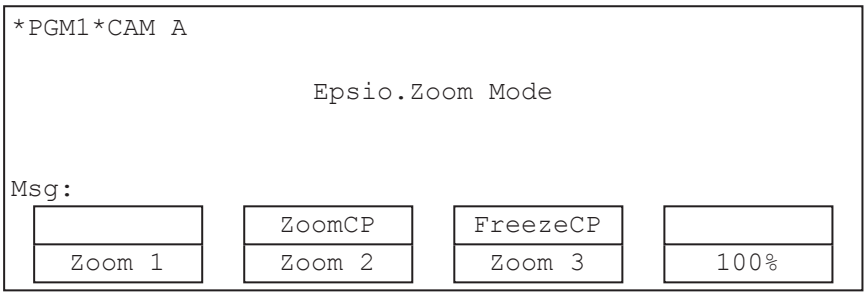
Activate the Preview Mode in Epsio Zoom by clicking the **Preview Mode** button at the bottom on the Epsio Zoom main window.

Playing a Zoom Sequence without Zoom on Cue Point

Without Zoom on Cue Point, the sequence is played without any zoom applied.

To play a zoom sequence in Preview mode without ZoomCP and FreezeCP, proceed as follows:

1. Go to the clip or the record train you want to play.
2. Make sure that you are in the Epsio Zoom menu. If not, press the **MENU** key.



3. If necessary, press **SHIFT+B** to deactivate the Zoom on Cue Point (**ZoomCP**. The option is disabled when displayed on a clear background.
4. If necessary, press **SHIFT+C** to deactivate the Freeze on Cue Point (**FreezeCP**). The option is disabled when displayed on a clear background.
5. Press **PLAY** or move the lever up to start playing the zoom sequence.
6. When you reaches the position where to apply a virtual camera, apply the first virtual camera as follows:
   - Press the **TAKE** key on the Remote Panel.
   - Click or tap on **Take** in Epzio Zoom.

   The first virtual camera is applied with the defined transition.

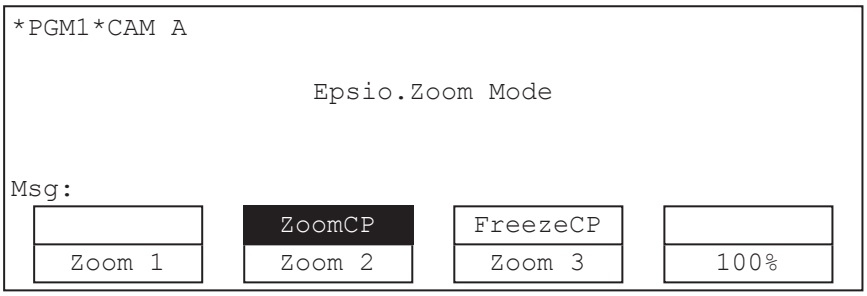
   The current virtual camera is displayed as a red rectangle, and the next virtual camera in the list is displayed as a green rectangle
7. When requested, apply the next virtual camera with the **TAKE** key or the **Take** button, as described in step 6, and repeat this step for all virtal cameras you want to apply.

Playing a Zoom Sequence with Zoom on Cue Point

With the **Zoom on Cue Point** option, the clip or train is played out and the virtual cameras are automatically called back and played.

To play a zoom sequence in Preview mode with ZoomCP and without FreezeCP, proceed as follows:

1. Go to the clip or the record train you want to play.
2. Make sure that you are in the Epsio Zoom menu. If not, press the **MENU** key.



3. If necessary, press **SHIFT+B** to activate the Zoom on Cue Point (**ZoomCP**. The option is enabled when displayed on a black background.
4. If necessary, press **SHIFT+C** to deactivate the Freeze on Cue Point (**FreezeCP**). The option is disabled when displayed on a clear background.
5. Press **PLAY** or move the lever up to start playing the zoom sequence.

The clip or record train is played out, and the virtual cameras are automatically called to play the zoom sequence.

Note
During playout, you can always manually call and play an existing virtual camera as described in the last two steps of the above procedure with **Zoom on Cue Point**, or even create and apply a new virtual camera.
After a manual change, the registered sequence will be applied again at the next cue point.

Corporate
+32 4 361 7000

North & Latin America
+1 973 575 7811

EVS Headquarters
Liège Science Park
13, rue Bois St Jean
B-4102 Seraing
Belgium

Asia & Pacific
+852 2914 2501

Other regional offices
www.evs.com/contact

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